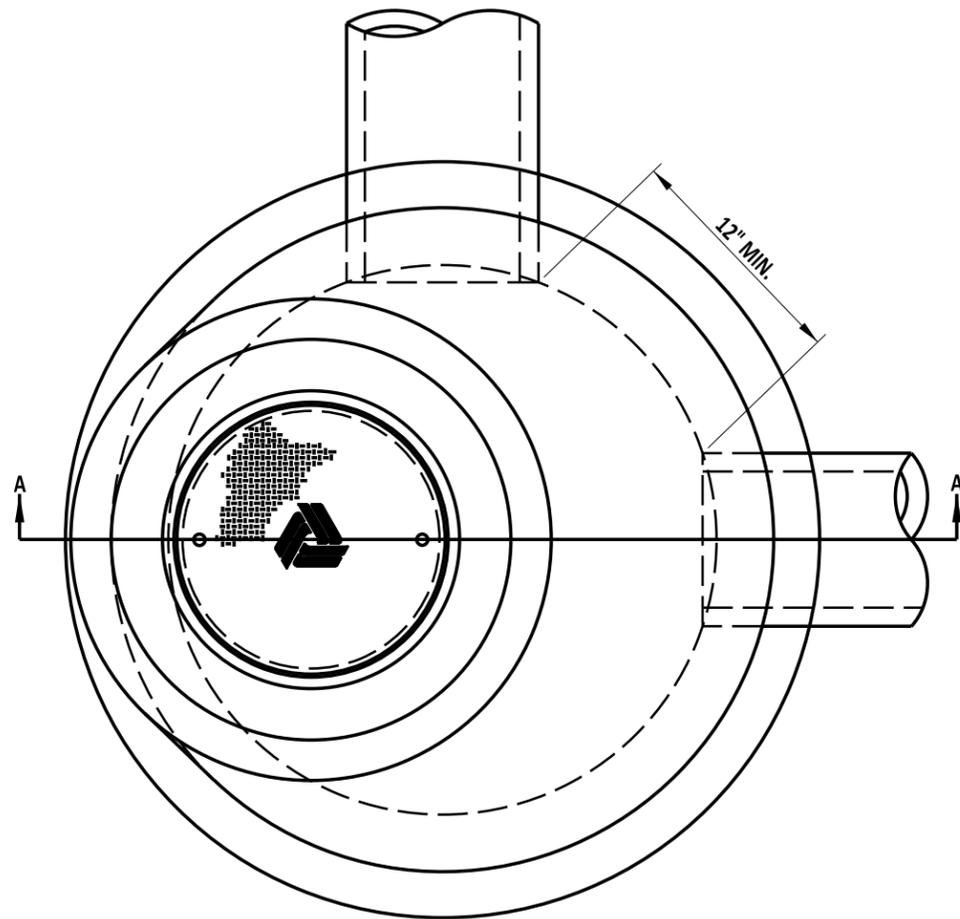


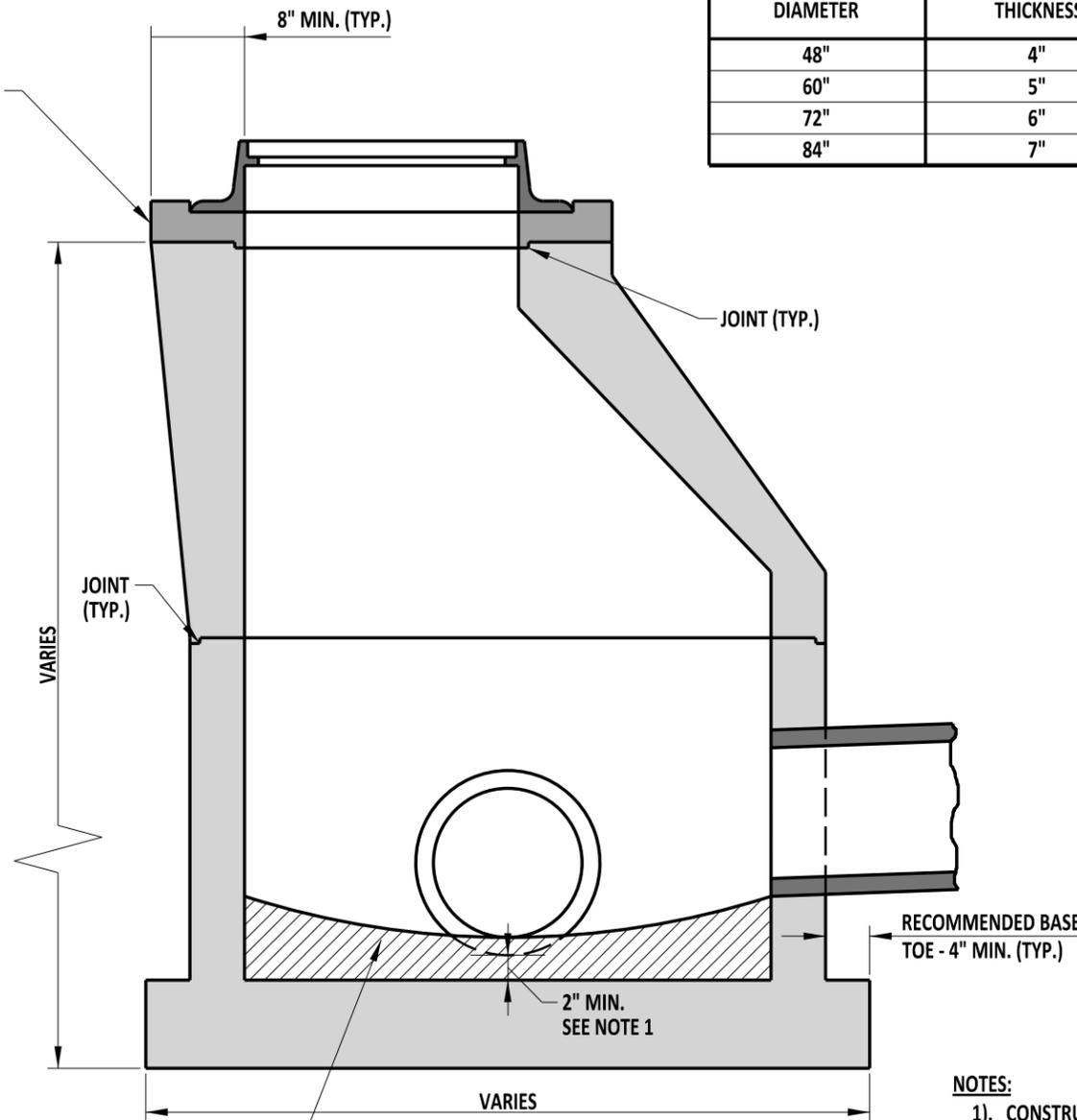
MINIMUM PRECAST ROUND MANHOLE REQUIREMENTS			
MANHOLE DIAMETER	MINIMUM WALL THICKNESS	CIRCUMFERENTIAL REINFORCEMENT* (PER VERTICAL FOOT)	BASE SLAB THICKNESS**
48"	4"	0.12 IN ²	6"
60"	5"	0.15 IN ²	8"
72"	6"	0.18 IN ²	8"
84"	7"	0.21 IN ²	8"

ADDITIONAL MINIMUM REQUIREMENTS:
 * MINIMUM VERTICAL REINFORCEMENT: ASSEMBLE EACH LINE OF HORIZONTAL REINFORCEMENT INTO A CAGE CONTAINING SUFFICIENT VERTICAL BARS OR MEMBERS TO MAINTAIN THE REINFORCEMENT IN SHAPE AND POSITION WITHIN THE FORM.
 ** MINIMUM BASE SLAB REINFORCEMENT: PROVIDE A MINIMUM OF ONE LAYER IN EACH DIRECTION, LOCATED ABOVE THE MIDPOINT. PROVIDE MINIMUM AREA OF 0.12 SQ. IN. PER LINEAR FOOT IN EACH LAYER.
 *** ADDITIONAL REINFORCEMENT AT OPENINGS: PLACE 8 ADDITIONAL #4 BARS (2 HORIZ., 2 VERT. 4 DIAGONAL) AROUND EACH OPENING IN MANHOLE RISER OR BASE SECTIONS. MAKE BAR LENGTH = OPENING SIZE + 6".



PLAN

REFER TO DETAIL D-6, SHEET 3 OF 5, FOR GRADE RING REBAR PLACEMENT



SECTION A-A

ROUND MANHOLE ASSEMBLY

NOTES:

- 1). CONSTRUCT ROUND MANHOLES IN ACCORDANCE WITH AASHTO M 199.
- 2). STRUCTURE BASE TOE IS RECOMMENDED TO COUNTERACT BUOYANCY.
- 3). PROVIDE A MINIMUM COVER OF 1½" FOR ALL REINFORCEMENT.
- 4). SEE D-6, SHEET 3 OF 5, FOR GRADE RING DETAILS.
- 5). SEE D-6, SHEET 5 OF 5, FOR ROUND COVER SLAB DETAILS.
- 6). INSTALL PIPES FLUSH WITH MANHOLE WALL PER DELDOT STANDARD SPECIFICATIONS SECTION 602.3.
- 7). FABRICATOR IS RESPONSIBLE FOR LIFTING, HANDLING AND TRANSPORTATION STRESSES.
- 8). STEPS ARE REQUIRED FOR ALL MANHOLES 4'-0" DEPTH OR GREATER. STEPS SHALL BE INSTALLED IN ACCORDANCE WITH AASHTO M 199.



ENGINEERING SUPPORT
Paul John
 09/01/2020
 DATE
 RECOMMENDED

ROUND MANHOLE ASSEMBLY
 STANDARD NO. D-6 (2020) SHT. 2 OF 5

REVIEWED
Mike Jones
 DEPUTY DIRECTOR - DESIGN 09/01/2020
 DATE
 APPROVED
Shrey
 CHIEF ENGINEER 09/01/2020
 DATE